

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A reciprocating compressor, comprising:

a casing including a suction pipe, through which a fluid is introduced from outside, and a discharge pipe, through which the fluid is discharged outside, that forms a ~~predetermined~~ internal space;

a compressor main body positioned in the casing, that compresses the fluid introduced through the suction pipe with a linear reciprocating motion of a piston and discharges the compressed fluid through the discharge pipe; and

a supporting device including a plurality of coil springs that connects the compressor main body to the casing, wherein each of the plurality of coil springs includes a tightly wound upper end part fixed to one surface of the compressor main body, a tightly wound lower end part fixed to one surface of the casing, and an inner part formed between the tightly wound upper end part and the tightly wound lower end part, wherein the inner part comprises:

a first elastic part attached to the tightly wound upper end part with each round of the first elastic part wound at a first ~~predetermined~~ pitch;

a second elastic part attached to the tightly wound lower end part with each round of the second elastic part wound at a second ~~predetermined~~ pitch; and

a mass part tightly wound between the first elastic part and the second elastic part with zero pitch in a stop state, wherein the first ~~predetermined~~-pitch and the second ~~predetermined~~-pitch are different at a same round on corresponding rounds starting from each end of the mass part.

2-14. (Canceled).

15. (Previously Presented) The compressor of claim 1, wherein the first elastic part and the second elastic part are wound respectively at regular pitches, and wherein the regular pitches are different from each other.

16. (Previously Presented) The compressor of claim 1, wherein the first elastic part and the second elastic part are wound at pitches that increase toward the mass part, and wherein increasing ratios of the pitches of the first elastic part and the pitches of the second elastic part are different from each other.

17. (Previously Presented) The compressor of claim 1, wherein the first elastic part and the second elastic part are wound at pitches that decrease toward the mass part, and wherein decreasing ratios of the pitches of the first elastic part and the pitches of the second elastic part are different from each other.

18. (Previously Presented) The compressor of claim 1, wherein the first elastic part and the second elastic part are wound at pitches that increase and decrease alternately toward the mass part, and wherein increasing and decreasing ratios of the pitches of the first elastic part and the pitches of the second elastic part are different from each other.

19. (Previously Presented) The compressor of claim 1, wherein one of the first elastic part and the second elastic part is wound at regular pitches and the other of the first elastic part and the second elastic part is wound at pitches that increase toward the mass part.

20. (Previously Presented) The compressor of claim 1, wherein one of the first elastic part and the second elastic part is wound at regular pitches and the other of the first elastic part and the second elastic part is wound at pitches that decrease toward the mass part.

21. (Previously Presented) The compressor of claim 1, wherein one of the first elastic part and the second elastic part is wound at regular pitches and the other of the first elastic part and the second elastic part is wound at pitches that increase and decrease alternately toward the mass part.